


Improvements in single vibrating tube transducers

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Inventor: STANSFELD JAMES WOLRYCHE (GB); ATKINSON DAVID IAN HEATON (GB)
Applicant: SCHLUMBERGER IND LTD (GB)
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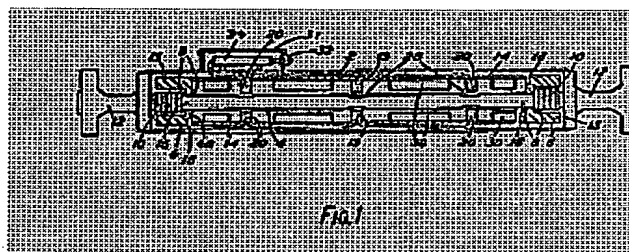
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A single vibrating tube transducer comprises a tube (4) held between two nodal masses (6) which are attached to the tube (4) close to their respective centres of gravity (16). Each nodal mass (6) has an extended portion (14) which is attached at its free end to the opposing nodal mass by an arrangement of metal ligaments (18). Vibrating means (19) and sensing means (20) drive and detect the tube motion respectively. The tube has discontinuities (28) adjacent to the vibrating means (19) and the sensing means (20), to ensure the desired mode of resonance is achieved. Acoustic baffles (30) prevent inaccuracies due to internal acoustic resonance in the transducer.



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